

MANIFATTURA TUBI GOMMA S.p.A.

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APPLICATION

- Multipurpose hose "Full Ohm", designed for conveying cosmetic, pharmaceutical and highly flammable chemical products in working areas requiring utmost safety.
- Execution complying with EN 12115: 2021.
- Engineered to ensure dissipation of electrostatic charges not only on the surfaces (tube and cover $R < 10^6 \Omega$) but also through the hose wall ($R < 10^9 \Omega$).

CONSTRUCTION

TUBE

- PFA (Perfluoroalkoxy), fully fluorinated, mirror-smooth, black colour, antistatic ($R < 10^6 \Omega$), patented.
- Compliance: USP Class VI, FDA Standards, Regulation EU n. 10/2011, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5.

REINFORCEMENT

- High-strength plies of synthetic cord and embedded steel helix wire.
- Copper wires on request.

COVER

- Marble finish (UHMWPE), black and white, patented, smooth; resistant to abrasion, ozone and ageing. The special marble finish with a low coefficient of friction complies with FDA Standards, odourless and tasteless.
- The cover does not stain the contact surfaces.
- Antistatic: Electrical resistance $R < 10^6 \Omega$.

PATENTS

- E.P. 1450092, E.P. 1580475.
- U.S. Patent 7,389,799.

CERTIFICATIONS

- Hose approved by the Institute Ineris for use in Atex areas, attestation nr. INERIS-DRA-20-200870-02408A available up to DN 3".

MAIN BENEFITS

- The fluorinated inner liner ensures utmost chemical and temperature resistance, an excellent impermeability, and absolutely contamination-free transport of the fluid conveyed.
- Marble finish cover, smooth and easy to clean. Resistant to mild chemicals and aggressive acids for short time.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG production cycle is free from animal derived ingredients, phthalates, adipates, and materials subject to restrictions acc. to EC 1907/2006 (REACH).
- Non-plasticized inner tube.

TEMPERATURE RANGE

- In accordance with EN 12115: 2021.

ELECTRICAL PROPERTIES

- Electrical resistance through the hose wall: $R < 10^9 \Omega$.
- Identification symbol:
 - Ω/T for version without copper wires;
 - M/T for version with copper wires.

NOTE

- Please check recommendations and instructions mentioned in the MTG "use and maintenance guideline for PFA/MFA hoses".
- Not autoclavable.

MARKING

- Embossed tape according to EN 12115: 2021, lengthwise.


MTG DYNAMIC® SAFE-TECH PFA
HOSE TESTED BY INERIS FOR USE IN ATEX AREAS
2 PATENTED IN EUROPE
2 PATENTED IN USA
ISO 9001
ISO 14001
EU
MADE IN ITALY


MTG EN 12115:2021 - SD - DN - 10bar - -20°C to +65°C - Ω/T - QUARTER/YEAR

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: EN 12115 - Wall thickness: EN 12115 - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure BAR	Burst pressure BAR	Vacuum BAR	Min. bending radius (Static) mm	Min. bending radius (Dynamic) * mm	Approx. weight kg/m	Max. length m
19	31	6.0	10	40	-0.9	188	-	0.72	30
25	37	6.0	10	40	-0.9	225	-	0.89	30
32	45	6.5	10	40	-0.9	262	-	1.16	30
38	51	6.5	10	40	-0.9	338	-	1.47	30
51	65.5	7.25	10	40	-0.9	412	-	2.08	30
63.5	79.5	8.0	10	40	-0.9	450	-	2.80	20
76	92	8.0	10	40	-0.9	525	-	3.48	20
100	117	8.5	10	40	-0.9	700	-	4.70	20

(* In case of dynamic application please contact our Technical Dept.
Above technical data are referring to application at room temperature (+20°C). Other sizes and colours are available upon request. Please contact our Sales Department. MTG reserves the rights to implement changes in product specifications without notice and as may be deemed appropriate by the Company for any technical or commercial reason. The selection of fittings for our hoses should be made in accordance with the recommendations provided in ISO 8331: "Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."



Cod. IT-D00046

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